

ABSTRACT OF THE DISCLOSURE

There is provided an information sharing method by Bluetooth™ wireless communication. To share information with a slave by Bluetooth™ wireless communication protocol, a portable cellular phone equipped with a Bluetooth™ module acting as a master in a piconet or scatternet receives data from a mobile communication system and stores the received data. The portable phone determines whether to transmit the data to the slave by Bluetooth™ wireless communication. If the data is to be transmitted to the slave, the portable phone converts the data to a data packet for Bluetooth™ communication and determines whether the portable phone is connected to the slave by an ACL (Asynchronous ConnectionLess) link or an SCO (Synchronous Connection-Oriented) link. If the ACL link is connected between the portable phone and the slave, another ACL link is established and the portable phone transmits the data packet to the slave on the established ACL link. If the SCO link is connected between the portable phone and the slave, an ACL link is established and the portable phone transmits the data packet to the slave on the established ACL link.